Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	01/19/2022 09:19 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/16/2021 09:10 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124799	-1	1.36	124715	1.33
Blue	F	SSC	125000	123083	-2	3.44	123546	3.36
Blue	E	FITC	14284	13782	-4	2.47	387	13.18
Blue	D	PE	23919	23668	-2	1.93	564	10.54
Blue	B	PerCP-Cy5-5	31332	30950	-2	3.22	887	15.09
Blue	A	PE-Cy7	22272	22061	-1	5.22	454	30.87
Red	C	APC	47768	47216	-2	3.02	1631	11.53
Red	A	APC-Cy7	25313	24485	-4	3.53	692	12.27
Violet	B	V450	7085	6791	-5	3.72	473	11.65
Violet	A	V500	26969	26009	-4	3.19	893	8.41

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23452	3.54	583	-6	N/A	N/A	Pass
Blue	F	SSC	54871	2.93	519	-2	N/A	N/A	Pass
Blue	E	FITC	57	55.60	491	-10	0.0479	115	Pass
Blue	D	PE	110	38.51	489	-8	0.3919	280	Pass
Blue	B	PerCP-Cy5-5	139	42.80	578	-10	0.0195	95	Pass
Blue	A	PE-Cy7	75	81.12	625	-10	0.0222	3	Pass
Red	C	APC	341	25.95	573	-7	0.0284	196	Pass
Red	A	APC-Cy7	128	35.30	546	-9	0.0067	1554	Pass
Violet	B	V450	80	45.62	452	-11	0.0477	1660	Pass
Violet	A	V500	105	30.52	463	-11	0.0244	719	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.48	-31.26	1.03
Blue	20.36	16.28 - 24.42	1.29	1.03 - 1.55	0.00	0.00	1.43
Red	15.30	13.90 - 20.86	N/A	N/A	29.76	29.94	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.94

Threshold

Threshold (FSC): 13614

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments